

CLAIM AMENDMENTS

1. (Currently Amended) A Ni-base directionally solidified superalloy consisting essentially of from 5.0 percent by weight to 7.0 percent by weight of Al, from 4.0 percent by weight to 16.0 percent by weight of Ta + Nb + Ti, wherein Ta is from 4.0 percent by weight to 5.8 percent by weight, from 1.0 percent by weight to 4.5 percent by weight of Mo, from 4.0 percent by weight to 8.0 percent by weight of W, from 3.0 percent by weight to 8.0 percent by weight of Re, 2.0 percent by weight or less of Hf, 10.0 percent by weight or less of Cr, 15.0 percent by weight or less of Co, from 1.0 percent by weight to 4.0 percent by weight of Ru, ~~0.2 percent by weight or less from 0.07 percent by weight to 0.2 percent by weight of C, from 0.015 percent by weight to 0.03 percent by weight~~ 0.03 percent by weight or less of B₁ and Ni₁, and inevitable impurities as a balance ~~and wherein the superalloy includes 4.0 percent by weight to 6.0 percent by weight of Ta.~~

2. (Original) The Ni-base directionally solidified superalloy as claimed in claim 1, wherein the superalloy includes from 2.8 percent by weight to 4.5 percent by weight of Mo.

3. (Cancelled)

4. (Original) The Ni-base directionally solidified superalloy as claimed in claim 1, wherein the superalloy consists essentially of from 5.8 percent by weight to 6.0 percent by weight of Al, from 5.5 percent by weight to 6.5 percent by weight of Ta + Nb + Ti, from 2.8 percent by weight to 3.0 percent by weight of Mo, from 5.5 percent by weight to 6.5 percent by weight of W, from 4.8 percent by weight to 5.0 percent by weight of Re, from 0.08 percent by weight to 0.12 percent by weight of Hf, from 2.0 percent by weight to 5.0 percent by weight of Cr, from 5.5 percent by weight to 6.0 percent by weight of Co, from 1.8 percent by weight to 2.2 percent by weight of Ru, from 0.05 percent by weight to 0.1 percent by weight of C, from 0.01 percent by weight to 0.02 percent by weight of B, and Ni and inevitable impurities as a balance.

5. (Currently Amended) The Ni-base directionally solidified superalloy as claimed in any one of claims ~~1 to 4~~, 2 or 4, wherein the superalloy includes from 0.01 percent by weight to 0.1 percent by weight of Si.

6. (Previously Presented) The Ni-base directionally solidified superalloy as claimed in any one of claims 1 to 4, wherein the superalloy includes one or more elements selected from the group consisting of 2.0 percent by weight or less of V, 1.0 percent by weight or less of Zr, 0.2 percent by weight or less of Y, 0.2 percent by weight or less of La, and 0.2 percent by weight or less of Ce.

7. (Currently Amended) A Ni-base single-crystal superalloy consisting essentially of from 5.0 percent by weight to 7.0 percent by weight of Al, from 4.0 percent by weight to 16.0 percent by weight of Ta + Nb + Ti wherein Ta is from 4.0 percent by weight to 5.8 percent by weight or less, from 1.0 percent by weight to 4.5 percent by weight of Mo, from 4.0 percent by weight to 8.0 percent by weight of W, from 3.0 percent by weight to 8.0 percent by weight of Re, 2.0 percent by weight or less of Hf, 10.0 percent by weight or less of Cr, 15.0 percent by weight or less of Co, from 1.0 percent by weight to 4.0 percent by weight of Ru, ~~0.2 percent by weight or less~~ from 0.07 percent by weight to 0.2 percent by weight of C, ~~0.03 percent by weight or less~~ from 0.015 percent by weight to 0.02 percent by weight of B, and Ni and inevitable impurities as a balance ~~and wherein the superalloy includes from 4.0 percent by weight to 6.0 percent by weight of Ta.~~

8. (Original) The Ni-base single-crystal superalloy as claimed in claim 7, wherein the superalloy includes from 2.8 percent by weight to 4.5 percent by weight of Mo.

9. (Cancelled)

10. (Original) The Ni-base single-crystal superalloy as claimed in claim 7, wherein the

superalloy consists essentially of from 5.8 percent by weight to 6.0 percent by weight of Al, from 5.5 percent by weight to 6.5 percent by weight of Ta + Nb + Ti, from 2.8 percent by weight to 3.0 percent by weight of Mo, from 5.5 percent by weight to 6.5 percent by weight of W, from 4.8 percent by weight to 5.0 percent by weight of Re, from 0.08 percent by weight to 0.12 percent by weight of Hf, from 2.0 percent by weight to 5.0 percent by weight of Cr, from 5.5 percent by weight to 6.0 percent by weight of Co, from 1.8 percent by weight to 2.2 percent by weight of Ru, from 0.05 percent by weight to 0.1 percent by weight of C, from 0.01 percent by weight to 0.02 percent by weight of B, and Ni and inevitable impurities as a balance.

11. (Currently Amended) The Ni-base single-crystal superalloy as claimed in claim 7 to 10, wherein the superalloy includes from 0.01 percent by weight to 0.1 percent by weight of Si.

12. (Currently Amended) The Ni-base single-crystal superalloy as claimed in claim 7, 8 or 10~~any one of claims 7 to 10~~, wherein the superalloy includes one or more elements selected from the group consisting of 2.0 percent by weight or less of V, 1.0 percent by weight or less of Zr, 0.2 percent by weight or less of Y, 0.2 percent by weight or less of La, and 0.2 percent by weight or less of Ce.

13. (Previously Presented) The Ni-base directionally solidified superalloy as claimed in claim 5, wherein the superalloy includes one or more elements selected from the group consisting of 2.0 percent by weight or less of V, 1.0 percent by weight or less of Zr, 0.2 percent by weight or less of Y, 0.2 percent by weight or less of La, and 0.2 percent by weight or less of Ce.

14. (Previously Presented) The Ni-base single-crystal superalloy as claimed in claim 11, wherein the superalloy includes one or more elements selected from the group consisting of 2.0 percent by weight or less of V, 1.0 percent by weight or less of Zr, 0.2 percent by weight or less of Y, 0.2 percent by weight or less of La, and 0.2 percent by weight or less of Ce.